

20000821.qrp v01_n920.qrl.20000821

Date: Mon, 21 Aug 2000 19:03:08 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1920

QRP-L Digest 1920

Topics covered in this issue include:

- 1) [77754] Fox
by Dan Wolfe <n4roa@mounet.com>
- 2) [77755] FS
by Bob Hightower <nk7m@extremezone.com>
- 3) [77756] tnx
by neil tanner <ntan@crosslink.net>
- 4) [77757] re:maddog additions
by neil tanner <ntan@crosslink.net>
- 5) [77758] Re: Fox
by Bob Liesenfeld <wb0poq@visi.com>
- 6) [77759] Re: Fox
by "Mike Yetsko" <myetsko@insydesw.com>
- 7) [77760] WTB:HF RIG with SSB.....
by Daj73s@aol.com
- 8) [77761] Re: Fox
by "Bob Tellefsen" <n6wg@earthlink.net>
- 9) [77762] FS
by Bob Hightower <nk7m@extremezone.com>
- 10) [77763] Re: Info: Portable REEL Antenna
by K2UD@aol.com
- 11) [77764] Re: "2 X QRP QSO" Stickers, where?
by "Caitlyn M. Martin" <caitlyn@netferrets.net>
- 12) [77765] Re: Code on the Internet
by "Geoff QRP-L mailing list" <geoffqrp@wormhole2.com>
- 13) [77766] DSW40 spoken for
by Bob cutter <ki0g@yahoo.com>
- 14) [77767] Re: Info: Portable REEL Antenna
by N10DL@aol.com
- 15) [77768] Re: Info: Portable REEL Antenna
by "K7FD-N7SG" <cqdx@teleport.com>
- 16) [77769] (OT) Resolution of the DX-77T sale dispute
by wa4dou@excite.com
- 17) [77770] Re: Fox
by "Marshall Emm" <mgemm@mtechnologies.com>
- 18) [77771] PSK31 is a blast!!
by w0yse@juno.com
- 19) [77772] Re: Fox

- by "Karl F. Larsen" <k5di@zianet.com>
- 20) [77773] NiH, NiCd batteries, etc.
by "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
- 21) [77774] OT=FPqrp needs your help
by Shepherd@aol.com
- 22) [77775] Re: Fox
by "Mike Yetsko" <myetsko@insydesw.com>
- 23) [77776] TenTec 1340 Sidetone
by "Shawn Upton" <shawn-upton@orgella.com>
- 24) [77777] Re: Fox
by "Karl F. Larsen" <k5di@zianet.com>
- 25) [77778] FSARK-4
by RangerSF5@aol.com
- 26) [77779] (no subject)
by RangerSF5@aol.com
- 27) [77780] Re: Fox
by "Mike Yetsko" <myetsko@insydesw.com>
- 28) [77781] Space Ham
by "ukii" <ukii@megsinet.net>
- 29) [77782] thermal compound
by Dave Barrett <Dave_Barrett@CreoScitex.com>
- 30) [77783] Fox-Final Log NOUR
by NOUR1@aol.com
- 31) [77784] New NorCal Kit
by "Mugleston, Brad" <brad.mugleston@gwl.com>
- 32) [77785] Antenna: Two ele yagi
by ekwik@rtimail.com
- 33) [77786] Re: thermal compound
by "Chris W4YYZ" <w4yyz@tampabay.rr.com>
- 34) [77787] dummy load
by "Tim Stabler" <tstabler@iunhaw1.iun.indiana.edu>
- 35) [77788] Re: Yaesu QRP Rig Rumor
by Lee Hopper <leehop@uswest.net>
- 36) [77789] Re: Yaesu QRP Rig Rumor
by "Caitlyn M. Martin" <caitlyn@netferrets.net>
- 37) [77790] Re: dummy load
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 38) [77791] RE: Old regen receivers and Ross Hull
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 39) [77792] Send your SMK-1 to Pacificon
by Allan G Taylor <k7gt@qsl.net>
- 40) [77793] Re: (OT)Fraudulent sale of DX-77T on QRP-L
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 41) [77794] Anybody Seen a PiG?
by "AI2Q Alex" <ai2q@ispchannel.com>
- 42) [77795] FOX: Lightning Strike, Cooked Rat
by "Marshall Emm" <mgemm@mtechnologies.com>
- 43) [77796] Re: dummy load

by Al Scanandoah <k2zn@rochester.rr.com>
44) [77797] newcomerquestion, what do I need? TNX TU ALL FER HELP
by "Hans Kaper" <hanskap@kaper-1.tmfweb.nl>
45) [77798] Re: dummy load
by "Mike Yetsko" <myetsko@insydesw.com>
46) [77799] Re: dummy load
by "Bob Tellefsen" <n6wg@earthlink.net>
47) [77800] Re: "2 X QRP QSO" Stickers, where?
by "Cla KA0GKC" <ka0gkc@arrl.net>
48) [77801] VHF SSB QRP?
by "W7TRX" <w7trx@mindspring.com>
49) [77802] Lighthouse, SSB, and QRP
by "Charles Mabbott" <crmabbott@mediaone.net>
50) [77803] RS-6 Spy Transceiver
by lnrr@juno.com
51) [77804] MIZUHO information needed
by N10DL@aol.com
52) [77805] Re: Anybody Seen a PiG?
by Curt Milton <wb8yyy@yahoo.com>
53) [77806] RE: Anybody Seen a PiG?
by Sam Billingsley <SBillingsley@usaninc.com>
54) [77807] Oscilloscope bandwidth
by Gregory Lawrence <gwl1@cornell.edu>
55) [77808] Re: "2 X QRP QSO" Stickers, where?
by "George , W5YR" <w5yr@att.net>
56) [77809] [re]why the freq qsy
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
57) [77810] Re: [re]why the freq qsy
by "George , W5YR" <w5yr@att.net>
58) [77811] RE: [re]why the freq qsy
by Andreas Junge <andreas@OpenGrid.Com>
59) [77812] Re: "2 X QRP QSO" Stickers, where?
by "Tony Fishpool" <g4wif@btinternet.com>
60) [77813] New NorCal Kit (full blown sm kit)
by "Doug Hendricks" <ki6ds@hotmail.com>
61) [77814] Re: thermal compound
by "David Porter" <dporter@voicenet.com>
62) [77815] Expanded frequency coverage of the SMK-1???
by "Doug Hendricks" <ki6ds@hotmail.com>
63) [77816] RE: New NorCal Kit (full blown sm kit)
by "Mugleston, Brad" <brad.mugleston@gwl.com>
64) [77817] PSK31 is a blast!!
by Jim Stafford <w4qo@amsat.org>
65) [77818] Re: "2 X QRP QSO" Stickers, where?
by "Anthony A. Luscre" <aluscre@neo.rr.com>
66) [77819] Re: QRP From Presque Isle State Park, PA.
by Tom and Roxy <zikot@erie.net>
67) [77820] (OT) RE: Oscilloscope bandwidth

by Radman <radman@best.com>

Date: Sun, 20 Aug 2000 18:44:31 -0400
From: Dan Wolfe <n4roa@mounet.com>
To: qrp-1@Lehigh.EDU
Subject: [77754] Fox
Message-ID: <39A05F4F.3743@mounet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hounds and Houndetts,

Conditions not very good here today. Much QRN caused by lurking storm nearby. Actually, I did not know if I would be able to finish the run before it hit. A lot of QSB on signals also. Reall had to dig for a lot of the contacts but it sure was fun. Just sorry it is over for me.

I found out that one of the contacts was at 100mw. hee hee. Seems that N5IB, Jim, played a prank on poor little Gloria, WD5CMA, his bride of 28 years. I bet he will pay for that. What do you think?

Looks like I will miss the August 27th hunt and the last two also. My wife and I are going to Atlanta this next weekend to watch the Braves and Cardinals. Just as soon as we get back, I am gonna load up the camper and take off for Shelby, Nc. for the hamfest the next weekend. Plan on going down on Wednesday and staying until Sunday afternoon. If any are planning on going, I will be setup at the rear of the Firehall. Please come by and say hello.

The log will follow soon. Looks like I have a total of 59 hounds. Thank you for letting me serve as a Fox. I certainly did enjoy it.

72..Dan Wolfe, N4ROA
Gate City, Va.

Date: Sun, 20 Aug 2000 16:09:39 -0700
From: Bob Hightower <nk7m@extremezone.com>
To: qrp-1@lehigh.edu
Subject: [77755] FS
Message-ID: <200008202303.QAA07785@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have a DSW-20 and a PSK-20 for sale, both like new, both in caftory enclosures. Asking \$125.00 for each. Please respond directly, not to the list.

Bob Hightower NK7M
Chandler, AZ
SOC #20
K2 #157/255

<http://www.extremezone.com/~nk7m>

Date: Sun, 20 Aug 2000 19:39:33 -0400
From: neil tanner <ntan@crosslink.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [77756] tnx
Message-ID: <39A06C34.153CA387@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all who gave some advice and suggestions to my nw80/20 and heatsink/thermal compound question. 72-----de wa4chq neil

Date: Sun, 20 Aug 2000 19:41:54 -0400
From: neil tanner <ntan@crosslink.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [77757] re:maddog additions
Message-ID: <39A06CC2.8C6305F@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Two more great additions to a great homebrew site...tnx Monty!
72----Neil wa4chq

Date: Sun, 20 Aug 2000 18:41:36 -0500
From: Bob Liesenfeld <wb0poq@visi.com>

To: qrp-1@Lehigh.EDU
Subject: [77758] Re: Fox
Message-ID: <39A06CB0.18764811@visi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just got done with a temporary install of my TS-430 in my new Honda Civic. Dialed up 20 meters and heard the FOX 5x9. Plugged into the cig lighter socket so I did not dare to Tx! Maybe next time.

Bob WB0POQ

Date: Sun, 20 Aug 2000 19:48:45 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <wb0poq@visi.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77759] Re: Fox
Message-ID: <002c01c00b01\$300cec40\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Just got done with a temporary install of my TS-430 in my new Honda
> Civic. Dialed up 20 meters and heard the FOX 5x9. Plugged into the cig
> lighter socket so I did not dare to Tx! Maybe next time.
>
> Bob WB0POQ

Just get that thing converted to QRP, then the lighter is fine!!

See, less IS more!

Mike

Date: Sun, 20 Aug 2000 19:51:08 EDT
From: Daj73s@aol.com
To: qrp-1@lehigh.edu
Subject: [77760] WTB:HF RIG with SSB.....

Message-ID: <14.8167db1.26d1c8ec@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang...

Im looking to buy a HF rig with SSB..(does not have to be qrp)
Please E-mail with your info as to type of rig (make and model)
condition of the rig,how old,and if you have the manual and
mic etc.Also how much for the rig....

tnx...AA2PF....

Date: Sun, 20 Aug 2000 17:01:33 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [77761] Re: Fox
Message-ID: <002301c00b02\$f81771a0\$9bd0fc9e@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I for one am glad you were able to stick it out, Dan.
Condx in CA were not so hot, but whenever you came up above the noise you
were good enough to work.
Thanks much for the Fox contact.
73, and enjoy the vacation trip.
Bob N6WG

Date: Sun, 20 Aug 2000 17:02:10 -0700
From: Bob Hightower <nk7m@extremezone.com>
To: qrp-l@lehigh.edu
Subject: [77762] FS
Message-ID: <200008202356.QAA17041@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The PSK-20 and DSW-20 are spoken for. I'll keep the 'second' comers in case
the deal goes through.

Bob Hightower NK7M
Chandler, AZ
SOC #20

K2 #157/255

<http://www.extremezone.com/~nk7m>

Date: Sun, 20 Aug 2000 20:36:38 EDT
From: K2UD@aol.com
To: qrp-1@lehigh.edu
Subject: [77763] Re: Info: Portable REEL Antenna
Message-ID: <6a.5e7fe4a.26d1d396@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Seems to resemble the Hy-Gain (got one) and Collins tape dipoles in operation and use. This antenna should be a winner for QRPers and anybody who wishes to operate portable. Price seems right too.

72

Howard Kraus, K2UD

Date: Sun, 20 Aug 2000 20:45:59 -0400
From: "Caitlyn M. Martin" <caitlyn@netferrets.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77764] Re: "2 X QRP QSO" Stickers, where?
Message-ID: <00082020455902.00763@caitlyn.netferrets.net>
Content-Type: text/plain
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Hi, everyone,

> I just received a couple of envelopes from the bureau, and a number of the
> 2xqrp QSLs had a nice little sticker which said "2XQRP QSO" stuck on them.
> I need something to dress up my ugly QSLs and these would be great. Does
> anyone know where I can purchase some of these?

If anyone answers Jim, please copy the reflector. I would love to get some too, and I bet I'm not the only one.

72,
Caity
KU4QD

--

Caitlyn M ire Martin
caitlyn@netferrets.net
<http://www.caitys-world.com>

Date: Mon, 21 Aug 2000 01:02:19 +0000 (GMT)
From: "Geoff QRP-L mailing list" <geoffqrp@wormhole2.com>
To: "Robert W. Shaw " <lycott@fox.nstn.ca>
Cc: "Low Power Amateur Radio Discussion " <qrp-l@Lehigh.EDU>
Subject: [77765] Re: Code on the Internet
Message-ID: <9668197399768-2021029768geoffqrp@wormhole2.com>

On Thu, 17 Aug 2000 Robert W. Shaw wrote:

> I teach an amateur radio course in Ottawa, including Morse Code. I would
> like to be able to offer CW practice on the WWW, but would like an
> efficient format for this. .WAV files I believe would be too long.
> Ideally, a "plug-in" that would accept text and a speed code, and reproduce
> the sound in the browser would be best, but I have no idea how to implement
> such a thing. We would be changing the practice text daily, and the speed
> weekly.

"snip"

> 72/73 de Bob VE3SUY QRP-L #1187 Bob Shaw, Ottawa, Ontario. Low power
> Amateur Radio from Canada's National Capitol!
>

I found a java applet that would send and recieve but can't remember right now
where. I'll keep looking.

Geoffrey E. Sachse
Lyndonville VT
geoff@wormhole2.com
kb1dsq@arrl.net
www.wormhole2.com
KB1DSQ

Date: Sun, 20 Aug 2000 19:06:45 -0700 (PDT)
From: Bob cutter <ki0g@yahoo.com>

To: qrp-1@Lehigh.EDU
Subject: [77766] DSW40 spoken for
Message-ID: <20000821020645.21542.qmail@web3106.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Thank you all for your interest.

72, Bob KI0G

Do You Yahoo!?
Yahoo! Mail Free email you can access from anywhere!
<http://mail.yahoo.com/>

Date: Sun, 20 Aug 2000 22:33:32 EDT
From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [77767] Re: Info: Portable REEL Antenna
Message-ID: <ce.99854b8.26d1eefc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I was interrupted before I could fully check out the URL....could someone let me know what it is?.....Thinking this might be good for traveling with the SST
Thanks
Aron
N10DL
Bedford.

Date: Sun, 20 Aug 2000 21:27:59 -0700
From: "K7FD-N7SG" <cqdx@teleport.com>
To: <N10DL@aol.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77768] Re: Info: Portable REEL Antenna
Message-ID: <001201c00b28\$31ad1d00\$aa241ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<http://www.teleport.com/~cqdx/dipole.htm>

73 John K7FD

-----Original Message-----

From: N10DL@aol.com <N10DL@aol.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Sunday, August 20, 2000 7:35 PM

Subject: Re: Info: Portable REEL Antenna

>I was interrupted before I could fully check out the URL....could someone
let
>me know what it is?.....Thinking this might be good for traveling with the
SST
>Thanks
>Aron
>N10DL
>Bedford.
>

Date: Sun, 20 Aug 2000 21:45:35 -0700 (PDT)

From: wa4dou@excite.com

To: qrp-l@lehigh.edu

Cc: ffr1@mindspring.com

Subject: [77769] (OT) Resolution of the DX-77T sale dispute

Message-ID: <13574225.966833137239.JavaMail.imal@chilly.excite.com>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Gang,

Mr Ramont contacted me on Sunday afternoon and suggested that he would be willing to pay for repair of my DX-77T.

Having heard many horror stories, over the years, of repairs costing \$100-\$300 at the "factory" (regardless of manufacturer), i offered to repair it myself if he would give me \$50 to cover the cost of an Alinco service manual (\$25) and the remaining \$25 to cover whatever part(s) might be necessary. Having been an electronics tech. for all of my adult life, i believe i can do it within those constraints and have agreed to release Mr. Ramont from further obligation beyond that.

I regret having felt the necessity to resort to such tactics to get a reasonable solution to my problem and wish all to know that i have no further dispute with Mr Ramont.

Thanks es 73 de Roy WA4DOU

Say Bye to Slow Internet!
<http://www.home.com/xinbox/signup.html>

Date: Sun, 20 Aug 2000 23:05:01 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: n4roa@mounet.com, qrp-1@lehigh.edu
Subject: [777770] Re: Fox
Message-ID: <39A0641D.11773.2B81BF3@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, Dan--

Nice job!

It did sound a bit slow toward the end but then you picked up some business in the last five minutes that probably made it worth the wait.

Your signal was very weak at the start, but copiable, and I called every single time for the 14 min or so it took to hit the bullseye. Your signal was gradually coming up over that time and I had an idea you might have been swinging that big quad around. I heard Larry WJ1R work you a little later and by that time your signal was up to a solid 5/6/9!

Well done, and I hope you can find SOME way to claim a pelt from me during your travels.

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
<http://www.mtechnologies.com>

Date: Sun, 20 Aug 2000 23:28:03 +0100
From: w0yse@juno.com
To: qrp-1@lehigh.edu

Subject: [777771] PSK31 is a blast!!
Message-ID: <20000820.232806.-31479.7.w0yse@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi all,

Just wanted to encourage some of you to try your qrp/ssb rigs out on the PSK31 mode. I have been a "died in the wool" CW guy since 1954. I try SSB once in awhile and some 2m FM but I never did care to use the mic much, and I loved CW. I can think better at 25 wpm compared to 150wpm I guess. I finally tried PSK about 2 weeks ago and I am absolutely HOOKED on it. It is a lot of fun especially at QRP levels. I had a nice long chat the other day on ten meters (28.120+) for over 40 minutes with VK4VHD, a novice since 1980, and I was only running an average power of about 5 watts (probably 10w PEP, I guess).

I have only tried the DigiPan v1.2 program so far and it is so easy to use. I built my own interface which was also very easy (See QST for May 99 for a primer on PSK. You'll see how easy it is.)

This was my very first experience with any of the digital modes.
"Tryyyy it..... You'll lllllllike it" !!

72/73 Neil Klagge, w0yse, Utah

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Mon, 21 Aug 2000 05:33:39 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Mike Yetsko <myetsko@insydesw.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [777772] Re: Fox
Message-ID: <Pine.LNX.4.10.10008210529270.734-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Mike, If your happy with less than 10 watts then the cigar lighter will be fine. I think the ts-430 draws about an amp on receive and if you keep the power knob down low you can keep transmit power down to just 5 amps. That is a big radio for a small car. I run a ts-50 in my Jeep and it seems

big.

On Sun, 20 Aug 2000, Mike Yetsko wrote:

```
> > Just got done with a temporary install of my TS-430 in my new Honda
> > Civic. Dialed up 20 meters and heard the FOX 5x9. Plugged into the cig
> > lighter socket so I did not dare to Tx! Maybe next time.
> >
> > Bob WB0POQ
>
> Just get that thing converted to QRP, then the lighter is fine!!
>
> See, less IS more!
>
> Mike
>
>
>
>
```

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 21 Aug 2000 06:56:02 -0500
From: "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [77773] NiH, NiCd batteries, etc.
Message-ID: <54F85D7F6DE2D01184EF0000F80495350272A20B@MAIL04>
MIME-Version: 1.0
Content-Type: text/plain

Some additional information regarding these types of cells.
The "capacity" measurements for rechargeable cells are more representative of high drain performance. According to a local vendor, these cells are typically tested at a current drain of 10% of their capacity and to an end point voltage of 1.0 V to 0.9 V.

Thus a 1600 mAH AA NiH cell is tested at about a 160 mA current draw. This is substantially higher than the 28 mA of a typical alkaline when establishing their published capacity.

<http://www.sanyobatteries.net/> (No technical info)

According to the Maha site: <http://www.mahaenergy.com/>

The batteries are tested at 0.2C mA (20% of capacity). The Maha cells have 1550 mAH typical (1500 min.) capacity based on 1.0 V end point.

<http://www.mahaenergy.com/download/mhaa155.doc>

Note that a conventional alkaline (e.g. ROV maximum) is listed as having slightly less capacity at higher current drains:

2100 mAH @ 120 mA, to 0.9V (1 hr/day)
1870 mAH @ 120 mA, to 1.0 V (1 hr/day)
1700 mAH @ 308 mA, to 0.9V (1 hr/day)
approx. 1450 mAH @ 308 mA, to 1.0 V (1 hr/day)
1600 mAH @ 308 mA, to 0.9V (continuous)
approx 1350 mAH @ 308 mA, to 1.0 V (continuous)

<http://www.rayovac.com/busoem/oem/specs/bat815.shtml>

Date: Mon, 21 Aug 2000 08:03:44 EDT
From: Shepherd@aol.com
To: <qrp-1@lehigh.edu>
Subject: [77774] OT=FPqrp needs your help
Message-ID: <200008211203.IAA42212@nss4.cc.lehigh.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Ok fellow QRPers, this is not QRP related, and if you want to flame me, please do so off line.

Sorry CLA, but this is important (to us anyway).

We have a local competition here in the Cincinnati area (famous for our flying pigs) for several Flying Pigs.

The one we (the Flying Pigs QRP Club) use as our mascot is in the competition, and was designed by a club member.

We need votes, and lots of them!

Please click here and support us!

http://www.bigpiggig.com/porkfolio/show_sponsor.asp?id=23&keyword=schlemmer&

Thanks for your time, and sorry if I've ruffled any feathers.

72, oo
Dan, N8IE
FPqrp #-6

Date: Mon, 21 Aug 2000 08:14:49 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Karl F. Larsen" <k5di@zianet.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77775] Re: Fox
Message-ID: <001401c00b69\$ad9a0e00\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Actually I was joking with my comment, but still serious at the same time. I've run my K2 from the lighter. In fact, when I first finished it up I had to pick up my daughter from school. I had just grabbed the K2 and a CB antenna and threw it in the Jeep. As I was waiting in the lot, I used the radar detector (opps, I mean the applications specific field strength indicator!) cord and managed to work Argentina and Hungary that day on 10M. Dialed to 5W.

Mike

> Hi Mike, If your happy with less than 10 watts then the cigar lighter will
> be fine. I think the ts-430 draws about an amp on receive and if you keep
> the power knob down low you can keep transmit power down to just 5 amps.
> That is a big radio for a small car. I run a ts-50 in my Jeep and it seems
> big.
>
>
> On Sun, 20 Aug 2000, Mike Yetsko wrote:
>
> > Just got done with a temporary install of my TS-430 in my new Honda
> > Civic. Dialed up 20 meters and heard the FOX 5x9. Plugged into the
> cig
> > lighter socket so I did not dare to Tx! Maybe next time.
> >
> > Bob WB0POQ
> >
> > Just get that thing converted to QRP, then the lighter is fine!!

> >
> > See, less IS more!
> >
> > Mike
> >
> >
> >
> >
> >
>
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>
>

Date: Mon, 21 Aug 2000 08:25:49 -0400
From: "Shawn Upton" <shawn-upton@orgella.com>
To: <qrp-1@lehigh.edu>
Subject: [77776] TenTec 1340 Sidetone
Message-ID: <002201c00b6a\$f9b1ec80\$1b13bac6@eng.orgella.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who responded. I pulled out the three inductors, shortened the leads a bit, cleaned the insulation off the wires much better this time, and placed the windings as far apart as possible. Much better performance. It's still not completely perfect, but good enough to work as intended. Now I just have to get ahold of one of those marker kits and try to figure out where 1) my Argosy is, and then 2) where the 1340 is!

KB1CKT
Shawn Upton

Date: Mon, 21 Aug 2000 06:42:15 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Mike Yettsko <myetsko@insydesw.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77777] Re: Fox
Message-ID: <Pine.LNX.4.10.10008210633300.967-1000000@cannac.ampr.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

My friend Tim K50I has his Index radio and cmos keyer all running from the lighter. We all should use these devices for radio, not smoking. In my case I often run QRO on 40 and 80 meters so I need 00 wire from the battery. Anyhow like you Tim worked cw dx while driving to the Ft Tuthill hamfest. In fact he got a rare one.

While driving alone we have lots of time to play dx or just chatter with friends on HF. It is a pleasant thing to do. And it makes a reason to come up with another paddler and cmos keyer. I better see if those are still available. I don't want to learn a new one!!!

On Mon, 21 Aug 2000, Mike Yetsko wrote:

> Actually I was joking with my comment, but still serious at the same
> time. I've run my K2 from the lighter. In fact, when I first finished
> it up I had to pick up my daughter from school. I had just grabbed
> the K2 and a CB antenna and threw it in the Jeep. As I was
> waiting in the lot, I used the radar detector (oops, I mean the
> applications specific field strength indicator!) cord and managed
> to work Argentina and Hungary that day on 10M. Dialed to 5W.

>

> Mike

>

>

> > Hi Mike, If your happy with less than 10 watts then the cigar lighter will
> > be fine. I think the ts-430 draws about an amp on receive and if you keep
> > the power knob down low you can keep transmit power down to just 5 amps.
> > That is a big radio for a small car. I run a ts-50 in my Jeep and it seems
> > big.

> >

> >

> > On Sun, 20 Aug 2000, Mike Yetsko wrote:

> >

> > > Just got done with a temporary install of my TS-430 in my new Honda
> > > Civic. Dialed up 20 meters and heard the FOX 5x9. Plugged into the
> > > cig

> > > lighter socket so I did not dare to Tx! Maybe next time.

> > >

> > > Bob WB0POQ

> > >

> > > Just get that thing converted to QRP, then the lighter is fine!!

> > >

> > > See, less IS more!

> > >
> > > Mike
> > >
> > >
> > >
> > >
> > >
> >
> > Yours Truly,
> >
> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> >
> >
>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 21 Aug 2000 08:43:49 EDT
From: RangerSF5@aol.com
To: QRP-L@lehigh.edu
Subject: [77778] FSARK-4
Message-ID: <ae.989dd39.26d27e05@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
Looks like the deal fell through.
Still have the ARK-4 (NOT THE ARK 40)-M)
Has a built in keyer,CW fi;ter.2 key jacks and a fine tuning control thaty
rerall acts like a mini remote VFO as it tunes the TX & RX.
Also has RIT and the rig is as stable as a rock.
As always,
you get 24 hours to play with it.
If you decide you don't like it you get a full refund.
Have a great day
Bob
WA2HOQrp <tm>

Date: Mon, 21 Aug 2000 08:51:55 EDT

From: RangerSF5@aol.com
To: qrp-1@lehigh.edu
Subject: [77779] (no subject)
Message-ID: <f2.203203b.26d27feb@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

The Sex life of an Electron by Eddie currents

One night when his charge was pretty high, Micro-Farad decided to seek out a cute little coil to help him discharge.

He picked up Milli-Amp and took her for a ride in his Megacycle. They rode across the Wheatstone Bridge and stopped by a Magnetic field with flowing currents and frolicked in the sine waves.

Micro-Farad, attracted by Millie-Amp's characterisic curves soon had her fully charged and proceeded to excite her resistance to a minimum. He gently laid her at ground potential, raised her frequency and lowered her reluctance.

With a quick arc, he pulled out his high voltage probe and inserted it in her socket, connecting them in parallel. He slowly began short circuiting her resistance shunt while quickly raising her thermal conductance level to mil-spec. Fully excited, Milli- Amp mumbled "MHO...MHO...MHO"

With his tube operating well into class C, and her field vibrating with his current flow, a corona formed which instantly caused her shunt to overheat just at the point when Micro-Farad rapidly discharged and drained off every electron into her grid.

They fluxed all night trying various connectors and sockets untill his magnet had a soft core and lost all of its field strength.

Afterwards, Milli-Amp tried self-induction and damaged her solenoids and with his battery fully discharged, Micro-Farad was unable to excite his field. Not ready to be quiescent, they spent the rest of the evening reversing polarity and blowing each others fuses.

BUT WAIT!!! Theres M O R E !

=====

Micro was a real-time operator and dedicated multi-user. His broad-band protocol made it easy for him to interface with numerous input/output devices, even if it meant time-sharing.

One evening he arrived home just as the Sun was crashing, and had parked his Motorola 68000 in the main drive (he had missed the S100 bus that morning), when he noticed an elegant piece of liveware admiring the daisy wheels in his garden. He thought to himself, "She looks user-friendly. I'll see if she'd like an update tonight."

Mini was her name. She was delightfully engineered with eyes like COBOL and a Prime mainframe architecture that set Micro's peripherals networking all over the place.

He browsed over to her casually, admiring the power of her twin, 32-bit floating point processors and enquired, "How are you, Honeywell?" "Yes, I am well," she responded, batting her optical fibers engagingly and smoothing her console over her curvilinear functions.

Micro settled for a straight line approximation. "I'm stand-alone tonight," he said. "How about computing a vector to my base address? I'll output a byte to eat, and maybe we could get offset later on." Mini ran a priority process for 2.6 milliseconds then transmitted 8K. "I've been dumped myself recently, and a new page is just what I need to refresh my disks. I'll park my machine cycle in your background and meet you inside." She walked off, leaving Micro admiring her solenoids and thinking, "Wow, what a global variable. I wonder if she'd like my firmware?"

They sat down at the process table to a top of form feed of fiche and chips and a bucket of Baudot. Mini was in conversational mode and expanded on ambiguous arguments while Micro gave occasional acknowledgments, although in reality he was analyzing the shortest and least critical path to her entry point. He finally settled on the old, 'Would you like to see my benchmark routine?' but Mini was again one step ahead.

Suddenly she was up and stripping off her parity bits to reveal the full functionality of her operating system software. "Let's get BASIC, you RAM," she said. Micro was loaded by this stage, but his hardware policing module had a processor of its own and was in danger of overflowing its output buffer, a hangup that Micro had consulted his analyst about. "Core," was all he could say, as she

prepared to log him off.

Micro soon recovered, however, when Mini went down on the DEC and opened her divide files to reveal her data set ready. He accessed his fully packed root device and was just about to start pushing into her CPU stack, when she attempted an escape sequence.

"No, no!" she cried. "You're not shielded!"

"Reset, baby," he replied, "I've been debugged."

"But I haven't got my current loop enabled, and I can't support child processes," she protested.

"Don't run away," he said, "I'll generate an interrupt."

"No, that's too error prone, and I can't abort because of my design philosophy."

Micro was locked in by this stage, though, and could not be turned off. But Mini soon stopped his thrashing by introducing a voltage spike into his main supply, whereupon he fell over with a head crash and went to sleep. "Computers!" she thought as she compiled herself. "All they ever think about is hex."

Date: Mon, 21 Aug 2000 09:06:32 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <k5di@zianet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77780] Re: Fox
Message-ID: <009b01c00b70\$c937e4a0\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Right now I have a partially built HF antenna for the Jeep sitting on the workbench. It's that one from the April QST. I couldn't find the single reducer for the PVC, so I had to use 'two steps'.

Mike

>
> My friend Tim K5OI has his Index radio and cmos keyer all running
> from the lighter. We all should use these devices for radio, not smoking.
> In my case I often run QRO on 40 and 80 meters so I need 00 wire from the
> battery. Anyhow like you Tim worked cw dx while driving to the Ft Tuthill
> hamfest. In fact he got a rare one.
>
> While driving alone we have lots of time to play dx or just

> chatter with friends on HF. It is a pleasant thing to do. And it makes a
> reason to come up with another paddle and cmos keyer. I better see if
> those are still available. I don't want to learn a new one!!!
>
>
> On Mon, 21 Aug 2000, Mike Yetsko wrote:
>
> > Actually I was joking with my comment, but still serious at the same
> > time. I've run my K2 from the lighter. In fact, when I first finished
> > it up I had to pick up my daughter from school. I had just grabbed
> > the K2 and a CB antenna and threw it in the Jeep. As I was
> > waiting in the lot, I used the radar detector (oops, I mean the
> > applications specific field strength indicator!) cord and managed
> > to work Argentina and Hungary that day on 10M. Dialed to 5W.
> >
> > Mike
> >
> >
> > > Hi Mike, If your happy with less than 10 watts then the cigar lighter
will
> > > be fine. I think the ts-430 draws about an amp on receive and if you
keep
> > > the power knob down low you can keep transmit power down to just 5
amps.
> > > That is a big radio for a small car. I run a ts-50 in my Jeep and it
seems
> > > big.
> > >
> > >
> > > On Sun, 20 Aug 2000, Mike Yetsko wrote:
> > >
> > > > Just got done with a temporary install of my TS-430 in my new
Honda
> > > > Civic. Dialed up 20 meters and heard the FOX 5x9. Plugged into
the
> > cig
> > > > lighter socket so I did not dare to Tx! Maybe next time.
> > > >
> > > > Bob WB0POQ
> > > >
> > > > Just get that thing converted to QRP, then the lighter is fine!!
> > > >
> > > > See, less IS more!
> > > >
> > > > Mike
> > > >
> > > >
> > > >

> > > >
> > >
> > > Yours Truly,
> > >
> > > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> > >
> > >
> >
> >
> >
>
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>
>

Date: Mon, 21 Aug 2000 09:24:02 -0500
From: "ukii" <ukii@megsinet.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77781] Space Ham
Message-ID: <005b01c00b7b\$7fc56620\$0ed2d6d8@ukii>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy Gang...
Ok,not directly QRP but thought this was interesting.
Someone sent this to me and I thought to share it
with the list...
Have a wunerful day
john
n9ukx

NASA Science News for August 21, 2000

Ham radio operators are notorious for their love
of long-distance radio chats. Now, thanks to
NASA's SAREX program, hams and students on Earth
can enjoy the ultimate long-distance radio
experience by contacting astronauts in orbit.

FULL STORY at

http://science.nasa.gov/headlines/y2000/ast21aug_1.htm?list

Date: Mon, 21 Aug 2000 07:28:45 -0700
From: Dave Barrett <Dave_Barrett@CreoScitex.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [77782] thermal compound
Message-ID: <BFEEFC3386986D2119C0800A0C99B5DE602306EF6@msgcreo3.creo.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Morni'n Neil / All

Due to irregularities in the surfaces of the transistor or I/C the mica insulator and heat sink itself in order to transfer all the heat away from the device being protected and into the heat sink one needs to insert some sort of thermally conductive 'compound', silicone is typically used, its white and quite messy.
A minimal amount is all that is required, a layer even a few molecules thick is good, infact the thinner the better while still maintaining a complete layer is the best. One does not need to gob it all around the device.....its nasty looking and serves absolutely no purpose other than to attract dirt and fluff etc. So with a layer either side of the mica insulator and after tightening the screws down "snug" not over tight, just clean any extra that has squeezed out of the joint with a "Q tip".
There are other thermally conductive 'compounds' available so it may not be white but some other color or even clear.

Please resist the temptation to use Vaseline or some other grease as these are simply not intended or formulated to "conduct heat" and stay in situ, they will not offer either optimal thermal conduction, protection or stability and will run every where in your project when warmed.

Dave Barrett VA7DB (Ex VE7PCC)
Vancouver BC Canada

-----Original Message-----
From: neil tanner [mailto:ntan@crosslink.net]
Sent: Sunday, August 20, 2000 8:49 AM
To: Low Power Amateur Radio Discussion
Subject: thermal compound

Greetings....

Heatsinks and thermal compound....understand the need for heatsinks, but why the thermal compound? Is this just to insure that the heatsink and device don't oxidize which will cause the heat not to pass on to the heatsink? (is this a dumb question) Can you use something like vaseline for it? Cheers es 72-=====Neil wa4chq

Date: Mon, 21 Aug 2000 10:29:18 EDT
From: N0UR1@aol.com
To: QRP-L@lehigh.edu
Subject: [77783] Fox-Final Log N0UR
Message-ID: <27.9ef41e4.26d296be@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

This should be it. Again, one of the highlights was getting emails telling me this was the first time working the fox. N10DL, WD40JY, and AA6AV were all first time hounds, thanks guys. Thanks for giving me the opportunity to be one of the foxii, it was a lot of fun.

CALL	RST	STATE/SEC	NAME	#/POWER	TIME
N5TW	559	TX	TOM	1474	00
AF4PS	599	FL	MAC	704	01
NV4V	579	KY	PETE	1721	02
AJ4Y	559	FL	PAUL	1795	03
N1TP	579	FL	TOM	1317	04
W5YR	559	TX	GEO	1373	05
AF5Z	579	TX	BOB	984	05
N4ROA	599	VA	DAN	970	06
N5IW	559	TX	DAVE	1718	07
NQ7X	559	AZ	FLOYD	343	07
AA5UN	599	TX	MARTY	5W	08
W2XN	599	FL	FRED	1728	09
KB1ENS	559	VT	JOHN	2150	10
K5EOA	559	LA	WAYNE	5W	11
K5AAR	559	OK	DON	1512	11
K7TQ	579	ID	RANDY	102	12
K1QM	569	MA	JOEL	337	13
K0EVZ	559	ND	DOC	861	14
N10DL	559	NH	ARON	1326	14
NW7DX	559	WA	BEN	1892	15
N5ZE	449	TX	LEW	2178	16
KC1FB	599	CT	JIM	29	17
VA6RF	559	AB	EARL	1076	17

AE9F	569	CA	DAN	5W	18
K6VNX	559	CA	ARLEN	5W	19
VE7SL	559	BC	STEVE	762	20
K5BGB	559	TX	RON	2231	22
W4EN	559	NJ	ED	2216	23
N5IB	559	VA	JIM	1913	24
WJ1R	559	CO	LARRY	2137	25
N1FN	559	CO	ET	153	26
W8DIZ	559	FL	DIZ	1998	27
N5ZE	559	TX	LEW	2178	28
K5DI	579	NM	KARL	2195	29
N4HAY	579	NC	DICK	1008	30
NK7M	559	AZ	BOB	271	31
K8CV	559	MI	WALT	935	32
K0SQ	599	MN	CHUCK	5W	33
WB8RCR	449	MI	JOHN	1446	34
W7ILW	559	AZ	HOWARD	2010	35
AB8DF	559	MI	ED	1444	36
VE3VX0	599	ON	JOE	1829	36
WA7SPY	559	CA	GLENN	2214	38
AJ4AY	559	AL	JAY	1372	39
AA7EQ	559	AZ	BOB	2186	41
K0PC	559	MN	PAT	1964	44
K5OI	559	NM	TIM	73	45
KM4LS	599	GA	BILL	100W	46
AF4PP	559	GA	CHUCK	1785	48
K0QD	559	CO	HUGH	274	49
W6BAB	569	CA	HARVEY	5W	56
K5DW	559	TX	DON	2083	57
N0AR	559	MN	SCOTT	1455	58
VE3VRA	559	ON	JOHN	5W	59
W5YW	559	LA	MIKE	5W	0201
KA1DDB	559	MI	MIKE	2064	02
N5FC	569	TX	MONTY	2202	03
WD5CMA	569	LA	GLORIA	5W	06
AF4LQ	579	KY	MIKE	1395	08
W0UFO	559	MN	MERT	1908	10
K4AVX	579	KY	JOHN	1753	11
KD6VIO	559	CA	BOB	5W	14
SM4BNK	559	SW	ERIK	100W	16
PY2CWS	559	PY	PAULO	100W	22
KT3A	559	PA	CAM	7	25
WD40JY	589	VA	JIM	2134	26
KF2P	599	NY	NICK	13	30
SM4MWJ	539	SW	TOR	100W	34
AA0ZZ	599	MN	CRAIG	1238	41
KB7WW	559	OR	ART	290	44
AA6AV	449	CA	PETER	5W	49

F5JD	559	FR	JOSE	60W	53
WA6HZY	579	CA	JIM	100W	55
W0CH	579	MO	DAVE	618	57

Date: Mon, 21 Aug 2000 09:23:20 -0600
 From: "Mugleston, Brad" <brad.mugleston@gwl.com>
 To: qrp-l <qrp-l@lehigh.edu>
 Subject: [77784] New NorCal Kit
 Message-ID: <F9645092A142D3118CBD00805F15292E0BEAA3CD@eb-mail1.gwl.com>
 MIME-Version: 1.0
 Content-Type: text/plain

Been busy at work and was wondering if NorCal has given out a date for their new Full Blown SM kit? Checked the web site but nothing there but the notice.

de KI00T, Brad

Date: Mon, 21 Aug 2000 11:26:48 -0400
 From: ekwik@rtimail.com
 To: qrp-l@Lehigh.EDU
 Subject: [77785] Antenna: Two ele yagi
 Message-ID: <0F01EEBB2C.37E46092-0N85256942.00525379@rtimail.com>
 MIME-Version: 1.0
 Content-type: text/plain; charset=us-ascii

This may be a little off topic but I know this list can help. Been playing with the idea of a two element yagi as my next antenna experiment. Since I operate CW only, the narrow band width of a director/driven element configuration vs. the more traditional driven element/reflector is not a deterrent. So I have come up with a model using Yagimax. I have never used it before nor have I used any other antenna model program. So before I start to buy the materials, could someone please double check my numbers or at least tell me that I am in the ballpark? Found several examples of DE/REF designs on the web but only example for a DIR/DE design was on W4RNL's site. I scaled his 10 Meter D/DE Yagi to 15 Meters but when I punched the numbers into Yagimax the performance numbers did not come out as good as the one's I found by varying the DE and DIR lengths (kept the spacing fixed).

F0 = 21.030 Mhz
 Element diameter = 1inch AL tubing
 DE length = 22.5 Ft

Dir length = 21.6 Ft

Spacing = 3.27 Ft

Gain= 12.87 dBi

F/B = 19.20 dB

Feed point impedance = $19.32 - j20.41$

Hairpin match to 52 ohms is #14 wire with 2 inch spacing and a length of 6.95 inches.

Any comments?

Ed Kwik AB8DF

Date: Mon, 21 Aug 2000 11:35:20 -0400

From: "Chris W4YYZ" <w4yyz@tampabay.rr.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [77786] Re: thermal compound

Message-ID: <00a501c00b85\$6aa7c670\$a2f5a118@screamer>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

-cut--

>silicone is typically

> used, its white and quite messy.

> A minimal amount is all that is required, a layer even a few molecules thick

> is good, infact the thinner the better while still maintaining a complete

> layer is the best. One does not need to gob it all around the

> device....

It it actually BAD when you add a lot of thermal compound....

The law of diminishing returns! Use only a little as needed, just enough to get the air out from in between the 2 surfaces

> There are other thermally conductive 'compounds' available so it may not > be white but some other color or even clear.

I use a product called "Arctic Silver" it's a NON-conductive silver based compound that gives you about 5W/m*K. Then again, it costs \$15 for a tiny (1/4 Ounce) tube of it. You can buy it from <http://www.arcticsilver.com>.

Finally, before you attch it you should clean both sides with acetone and when that dries, use Isopropyl alcohol. When you apply the compound use a paper towel and spread out an even thin layer. DO NOT TOUCH either surface with your fingers after they're cleaned.

Date: Mon, 21 Aug 2000 11:05:30 CST
From: "Tim Stabler" <tstabler@iunhaw1.iun.indiana.edu>
To: qrp-1@lehigh.edu
Subject: [77787] dummy load
Message-ID: <EE62393428@iunhaw1.iun.indiana.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Any ideas for a 10 watt dummy load?? I will need one for my K2 (building). I used to have one but it has gone the way of many other things no longer "needed".

How about 4---5 watt 200 ophm resistors in parallel?

Tim
WB9NLZ

Timothy A. Stabler, Ph.D.
Department of Biology
Indiana University Northwest
Gary, IN 46408

(219)980-6718
FAX: (219)980-7125

Date: Mon, 21 Aug 2000 08:51:20 -0700
From: Lee Hopper <leehop@uswest.net>
To: qrp-1@Lehigh.EDU
Subject: [77788] Re: Yaesu QRP Rig Rumor
Message-ID: <39A14FF8.4E99E562@pop.ptld.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>From the amsat email list:

> I have a photo of this small beauty. If you mail me direct I will send
> one to you.

>

> 73 de Ramon, XE1KK

> www.xe1kk.net

> xe1kk@xe1kk.net

> =====

> Date: Sat, 19 Aug 2000 23:04:38 +0900

> From: Masahiro Arai <m-arai@din.or.jp>

> Subject: [amsat-bb] Re: Is the new FT-817 at least one solution to our problems?

>

> Here is FT-817 specification. I asked Yaesu crews about cross band

> operation. They answered it cannot operate in cross band mode.

>

> Band: HF, 6m, 2m, 70cm

> General Coverage 0.1-30MHz, 76-108MHz(WFM only)

> Mode: SSB, CW, FM, AM

> Output Power: 5W(SSB, CW, FM), 1.5W(AM) @13.8V

> 2.5 or 5W(SSB, CW, FM), 1.5W(AM) @8xAA batteries or @9.6V Ni-Cd

> Packet connector: 1200bps, 9600bps

> Antenna connector: BNC(front), M(rear)

> This means two antennas can put on the RIG.

> Size:135(W) x 38(H) x 165(D) mm

> Weights: 900g

> Accessories: Hand MIC, 6m/2m/7cm whip ANT, Sholder belt

>

> JN1GKZ Masa Tokyo Japan

> jn1gkz@jamsat.or.jp http://www.din.or.jp/~m-arai/

Date: Mon, 21 Aug 2000 11:58:55 -0400

From: "Caitlyn M. Martin" <caitlyn@netferrets.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [77789] Re: Yaesu QRP Rig Rumor

Message-ID: <00082111585504.00800@caitlyn.netferrets.net>

Content-Type: text/plain

MIME-Version: 1.0

Content-Transfer-Encoding: 8bit

Hi, everyone,

Well... this should finally render the Tokyo Hy-Power HT-750 obsolete. Is anyone else excited about this rig?

72,
Caity
KU4QD

--

Caitlyn M ire Martin
caitlyn@netferrets.net
<http://www.caitys-world.com>

Date: Mon, 21 Aug 2000 11:57:31 EDT
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: tstabler@iunhaw1.iun.indiana.edu
Cc: qrp-1@Lehigh.EDU
Subject: [77790] Re: dummy load
Message-ID: <LAW2-F243eQVYsHbIrX000035c1@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Twenty half watt 1K resistors may be easier to obtain. Make sure if you use 5 watt resistors they are not wire wound!

>From: "Tim Stabler" <tstabler@iunhaw1.iun.indiana.edu>
>Reply-To: tstabler@iunhaw1.iun.indiana.edu
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: dummy load
>Date: Mon, 21 Aug 2000 11:05:30 CST
>
>Any ideas for a 10 watt dummy load?? I will need one for my K2
>(building). I used to have one but it has gone the way of many other
>things no longer "needed".
>
>How about 4---5 watt 200 ohm resistors in parallel?
>
>Tim
>WB9NLZ
>
>
>Timothy A. Stabler, Ph.D.
>Department of Biology
>Indiana University Northwest
>Gary, IN 46408

>
>(219)980-6718
>FAX: (219)980-7125

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Mon, 21 Aug 2000 10:47:51 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'ka9nzi@arrl.net'" <ka9nzi@arrl.net>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [77791] RE: Old regen receivers and Ross Hull
Message-ID:
<4734702CFA3CD411A74A00805F57A3B703E3F462@dfwex01.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Your suggestion, Gary, is the BEST approach to solving the ".... I don't want to alter the original radio, but I don't want to pass HV through my headset...." problem. Just mount that plate-impedance-to-voice-coil-impedance transformer in an external box with a loudspeaker. If you want to use 'phones, put your phone jack in the box with the speaker and impedance-matching transformer. You may want to disconnect the "internal phone jack" to ensure you (or someone else) doesn't plug in your expensive KOSS 8-ohm headset and zap it with the receiver's B-Plus.

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: Gary Lee Phillips [SMTP:ka9nzi@arrl.net]
Sent: Saturday, August 19, 2000 7:06 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Old regen receivers and Ross Hull

While I agree entirely that high voltage B+ through the 'phones can be dangerous and should be avoided, I just had to point out that most of those old receivers were meant to run on battery power. The batteries did not pose the threat to life that a linear power supply does. The old regen I have here will run with a B+ supplied by half a dozen 9v. transistor batteries in series. Might not feel pleasant to be zapped by it, but unless you are dependent on a pacemaker or something, it isn't

likely to kill.

Rather than modify a valuable antique set by installing an output transformer, why not put the transformer into a separate box as a sort of adaptor to sit between the set and the phones? That would be the approach I'd take.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Mon, 21 Aug 2000 09:15:57 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-l@lehigh.edu
Subject: [77792] Send your SMK-1 to Pacificon
Message-ID: <39A155BD.77F5@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Can't make it to Pacificon this year to participate in the SMK-1 operating event? I can help. Send it to me and I will operate it for you (my call, of course!) in this now classic event. Heck, I will even trade my functional and Pacificon-proven TT2 for your functional SMK-1. I can, of course, only run one rig in the contest so sign up early...

now back to our regular programming

Allan K7GT

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

Date: Mon, 21 Aug 2000 12:25:02 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: Nv4t@aol.com
Cc: qrp-l@lehigh.edu
Subject: [77793] Re: (OT)Fraudulent sale of DX-77T on QRP-L
Message-ID: <[v03110705b5c705eda1d0@\[152.15.144.71\]](mailto:v03110705b5c705eda1d0@[152.15.144.71])>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

NV4T, writes;

>I doubt the person who bought that radio from the scoundrel will
>recoup his money.

Luckily for Roy, he paid UPS with a USPS money order. By going back to the PO where he bought the money order, he can have a stop payment issued by the USPS on the money order. It involves filling out a form and will cause Fred some pain with his bank. If Roy can't get his money back, Fred certainly can't get it either and Roy at least has the rig.

Unless I'm buying from a qrp-l member that I know and who knows me, I always use a USPS or a bank money order. Be sure to hang on to the carbon copy of the money order until you are satisfied with the gear.

Let's hope this turns out good for Roy.

73,

Rick kf4ar

Date: Mon, 21 Aug 2000 12:58:14 -0400
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [77794] Anybody Seen a PiG?
Message-ID: <000001c00b90\$ff4e6da0\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The latest issue of QST (September) came over the weekend, and I see that the "QRP Power" column is still a pathetic waste of a page!

Under the subhead "Anybody Seen a PiG?" the column's conductor asks: "What in God's name is the NoGa PiG?" He then tells the reader what the acronym means, and later discusses a voltage divider, but NEVER includes a schematic or even a portion of the schematic that pertains to his description. Worse, he indicates the reference designations for two resistors in question, which is worthless information--and a waste of column space--if I don't have a schematic with the story.

I'm so-o-o glad I've kept my old QSTs from the 1960s and '70s, when REAL articles about QRP circuits were plentiful, and highly useful, as well as entertaining, instead of this dumbed-down type of drivel that passes for technical editorial! Ugh.

No wonder ham radio appears to be diminishing in its perceived value in many public quarters.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

Date: Mon, 21 Aug 2000 11:34:25 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu, sfox@egroups.com, n1tp@worldnet.att.net, "Wilford D. Lindsey" <70511.3041@compuserve.com>, "Michael A. Gipe" <mgipe@reliablemeters.com>, n1fn@mtechnologies.com
Subject: [77795] FOX: Lightning Strike, Cooked Rat
Message-ID: <39A113C1.9071.446364@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Swamp Rat Tom, N1TP had an unfortunate close encounter with a lightning strike...

----- Forwarded message follows -----

From: palmer_t <ThomasPalmer@colliergov.net>
To: "'info@mtechnologies.com'" <info@mtechnologies.com>
Subject: Lightning Strike
Date sent: Mon, 21 Aug 2000 08:44:00 -0400

Hi, Marshall,

We had lightning strike near our home at mid Saturday afternoon. My computer is off-line. I get one reading "301 keyboard error" and one other that I can't remember off-hand.

I had the computer wired into a very expensive lightning arrester with back-up battery.

My Kenwood runs ok for about 6 minutes and then starts sputtering whereby I can't hear the incoming signals except between the sputters. At those times I can't transmit either and the antenna tuner doesn't work at those times.

I feel I'm fortunate to have bagged a pelt from Dan, N4ROA, whom I was able to

nab by turning my Kenwood off, letting it sit for about 15 minutes, turning it on and getting him before it started sputtering. I had my Kenwood plugged into one of those lightening arrester strips with about 6 or 8 outlets. The strip was fried.

My new MFJ power supply seems unharmed.

My palomar SWR meter and is my Logikey memory keyer are done for.

Please forward this to Mike, Doc, and the Swamp Rats.

Tom, N1TP

----- End of forwarded message -----

Date: Mon, 21 Aug 2000 13:32:32 -0400
From: Al Scanandoah <k2zn@rochester.rr.com>
To: tstabler@iunhaw1.iun.indiana.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77796] Re: dummy load
Message-ID: <39A167B0.2371DEE9@rochester.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tim

5 watt resistors may be harder to come by than 2 watters these days. Putting 5 270 ohm 2w resistors should work well, or 6 330 ohmers to give yourself a couple watts of headroom.

Al, K2ZN

Tim Stabler wrote:

>
> Any ideas for a 10 watt dummy load?? I will need one for my K2
> (building). I used to have one but it has gone the way of many other
> things no longer "needed".
>
> How about 4---5 watt 200 ohm resistors in parallel?
>
> Tim
> WB9NLZ
>
> Timothy A. Stabler, Ph.D.
> Department of Biology
> Indiana University Northwest

> Gary, IN 46408
>
> (219)980-6718
> FAX: (219)980-7125

Date: Mon, 21 Aug 2000 19:22:31 +0200
From: "Hans Kaper" <hanskap@kaper-1.tmfweb.nl>
To: <QRP-L@LEHIGH.EDU>
Subject: [77797] newcomerquestion, what do I need? TNX TU ALL FER HELP
Message-ID: <000801c00b97\$3c2ca560\$7f07643e@tm981195>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello everybody,

Thanks to all who answered my question. It has been much help or to put it even better: it was quite a comfort. Most of you answered me that my rig (Kenwood TS-130V) is sufficient for QRP operation. I hoped so; but I saw many postings about different rigs like Argonaut, K1 and others I never heard of. Most of you agreed also on advising me to experiment with my antenna. I cannot follow all of your advices though because my not too small garden would be crammed with poles, guy-lines, masts and radials. (smile) Some of the special E-mails are answered separate, all the others are thanked hereby.

Hope to meet you some day on the air (Look for me on 14.020, 12 wpm cw and old fashioned key)

Cheerio,
Hans PA3HGM

Date: Mon, 21 Aug 2000 13:43:42 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <k2zn@rochester.rr.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77798] Re: dummy load
Message-ID: <007601c00b97\$e3c241e0\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I just used the Radio Shack dummy load. I know, it's for CB and rated 4W, but it's really just a 2W resistor inside of PL-259 shell. It's fine for short term power, just don't key down into it for too long at a time.

For 10W, I risked it for a few seconds. But take off the plastic cap for more air and if you have a muffin fan, blow that on it as well. (I keep an old muffin fan on my bench at all times for soldering. I don't blow AT the work, I leave the fan on the side of the bench so it DRAWS across the bench. Keeps the soldering fumes from coming up into my face and at the same time is 'discrete' enough that it doesn't cool too much when I'm trying to solder.)

Almost anything you need to do you can dial back to under 4 or 5 watts to do. Then do a QUICK jab at whatever full power you want.

Mike N1DVJ
K2# 1058

> 5 watt resistors may be harder to come by than 2 watters these days.
> Putting 5 270 ohm 2w resistors should work well, or 6 330 ohmers to give
> yourself a couple watts of headroom.
>
> Al, K2ZN
>
> Tim Stabler wrote:
> >
> > Any ideas for a 10 watt dummy load?? I will need one for my K2
> > (building). I used to have one but it has gone the way of many other
> > things no longer "needed".
> >
> > How about 4---5 watt 200 ophm resistors in parallel?
> >
> > Tim
> > WB9NLZ
> >
> > Timothy A. Stabler, Ph.D.
> > Department of Biology
> > Indiana University Northwest
> > Gary, IN 46408
> >
> > (219)980-6718

> > FAX: (219)980-7125
>

Date: Mon, 21 Aug 2000 10:51:38 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [77799] Re: dummy load
Message-ID: <001f01c00b98\$75489740\$d2d1fc9e@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tim
You need to verify that the resistors you use are non-inductive.
I'm not sure that 5 watt resistors meet this. You can find 2-watt
resistors easily. Perhaps 6 300 ohm resistors (12 watts) would
do as well for you.
73, Bob N6WG

Date: Mon, 21 Aug 2000 14:06:36 -0500
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: <N0UR1@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77800] Re: "2 X QRP QSO" Stickers, where?
Message-ID: <021701c00ba3\$5a6ad720\$02000000a@mcg.net>

----- Original Message -----
From: <N0UR1@aol.com>

| Does anyone know where I can purchase some of these?

The G-QRP Club sells them. <http://www.gqrp.co.uk/>

Not sure if these are the same.

GL and 73 de Cla KA0GKC

Date: Mon, 21 Aug 2000 13:12:14 -0700
From: "W7TRX" <w7trx@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [77801] VHF SSB QRP?
Message-ID: <008001c00bac\$2a53f680\$392579a5@fkxug>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings,

I am hooked on 6m SSB. I've done fairly well with 100 watts (IC-706MKIIG) into a KMA 5054 (5 element, 6m LPA, 6ft boom) at 30ft. Although the Pacific Northwest can be a bit of a 6m black hole at times. Since April I have worked over 100 grids (75 confirmed) and approx 30 states. I'm having a great time with my new hobby. I currently hold a Technician license and am working on my code (going slow, but sure). I know CW is the preferred mode for QRP, but right now I am SSB all the way.

I am very intrigued with QRP and am wondering what success I might have with 6m/2m SSB QRP. I would appreciate any input, good or bad, from those that have tried or are experienced with VHF QRP SSB.

Also, what is the accepted output for SSB QRP. From the reading I have done some say QRP is 5w output, regardless of mode. Other sources have listed SSB QRP as 10 watts PEP. Which is the correct output? I am working towards awards, so I want to be running the correct output.

Thanks for your assistance.

73, TR
W7TRX

Date: Mon, 21 Aug 2000 16:23:31 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: <qrp-1@Lehigh.EDU>
Subject: [77802] Lighthouse, SSB, and QRP
Message-ID: <000201c00bad\$acb402e0\$0201a8c0@mw.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I had some honey dews that need to get done before winter sets in or

there won't be much radio then. But that is another story!

Got the SG 2020 and in about 15 minutes I worked three lighthouses SSB at 10 watts. IL (1), NY (2). I got 58, 59, and 59+10 for rst and it was great. The QSO was a little more than QTH and RST and thank you. Wish I had more time!

No matter how much time you've got it is still a great hobby!

73 oo,
Chuck AA8VS
MI-QRP #M1212
Firebird PIN #2117
FPQRP-113
TSRAC #3952
QTH Canton, MI

Date: Mon, 21 Aug 2000 15:36:10 -0500
From: lnrr@juno.com
To: qrp-1@Lehigh.EDU
Subject: [77803] RS-6 Spy Transceiver
Message-ID: <20000821.153816.-235043.0.lnrr@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've listed an RS-6 Spy Transceiver on Ebay at:
<http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=416093771>

The research I've done on the radio indicates that it was built in the early 1950's. This is one of the sets that contains several modules that are interconnected.

Bryan Turner W8LN
<http://homestead.juno.com/lnrr/index.html>
<http://www.qsl.net/w8ln/>

North AL/Middle TN Railfan List -
<http://www.egroups.com/group/decaturnjunction>

Date: Mon, 21 Aug 2000 16:44:59 EDT
From: N10DL@aol.com
To: qrp-1@lehigh.edu

Subject: [77804] MIZUHO information needed
Message-ID: <a3.a610f2f.26d2eeeb@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Saw a 40 meter MIZUHO handheld radio on e-bay and was wondering if anyone can give me an indication if these radio's are worth while. Would ideally love one for 20 meters. Can't decide if it is worth bidding on....so, looking for some feedback.

Thanks,
Aron
N10DL/qrp
Bedford, NH

Date: Mon, 21 Aug 2000 13:47:09 -0700 (PDT)
From: Curt Milton <wb8yyy@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77805] Re: Anybody Seen a PiG?
Message-ID: <20000821204709.18162.qmail@web2004.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Yes QST was different in the 60s, 70s and 80s ... but so is everything else! Yes, we on the list may find the current QRP column a little shallow - but I have gotten some good info there! given his severe space limitation, the columnist is pointing folk to where some of the action is - and letting the general readers know what projects the QRP clubs have kitted is great, whether we want a particular project or not.

Suggestion - why not e-mail the columnist direct with what you like and don't like - remember he is one of us QRP'ers trying to do a job - and inform a wider audience than this list! Filling up a page (and only a page) once a month in a well circulated national ham journal is not an easy thing.

Yes I am glad to have acquired some of those old QST's - but it looks like to those who choose to, we'll continue to have projects to add our solder to. As for the league, some projects are posted in QST but many more in QEX.

--- AI2Q Alex <ai2q@ispchannel.com> wrote:
>
> The latest issue of QST (September) came over the
> weekend, and I see that
> the "QRP Power" column is still a pathetic waste of
> a page!
>
> Under the subhead "Anybody Seen a PiG?" the column's
> conductor asks: "What
> in God's name is the NoGa PiG?" He then tells the
> reader what the acronym
> means, and later discusses a voltage divider, but
> NEVER includes a schematic
> or even a portion of the schematic that pertains to
> his description. Worse,
> he indicates the reference designations for two
> resistors in question, which
> is worthless information--and a waste of column
> space--if I don't have a
> schematic with the story.
>
> I'm so-o-o glad I've kept my old QSTs from the 1960s
> and '70s, when REAL
> articles about QRP circuits were plentiful, and
> highly useful, as well as
> entertaining, instead of this dumbed-down type of
> drivel that passes for
> technical editorial! Ugh.
>
> No wonder ham radio appears to be diminshing in its
> perceived value in many
> public quarters.
>
> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687
> .-.-.
>

Do You Yahoo!?

Yahoo! Mail Free email you can access from anywhere!
<http://mail.yahoo.com/>

Date: Mon, 21 Aug 2000 16:51:07 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>

To: "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>, ai2q@ispchannel.com
Subject: [77806] RE: Anybody Seen a PiG?
Message-ID: <058CBAE0931FD411B70E00805FCD5D42306870@MAILSERVER2>
MIME-Version: 1.0
Content-Type: text/plain

Alex, Rich Ayland the QST columnist for the QRP page was simply trying to say he had to tweak his NOGA NOGApig kit for the voltage he was interested in monitoring. The article mentions the North Georgia NOGA web page that has a completely kit manual including pictures, diagrams, schematics and construction details. If you checkout the NOGA web page at <http://www.qsl.net/nogaqrp/> you will get all the missing information you need.

I think the column is intended to be more informational than construction oriented. I think Rich was simply trying to alert the readers with a very abbreviated review on the NOGApig kit and how he used it to protect . Of course me being a NOGA member was delighted to see the reference ,no manner how short, and know that if you at all interested in protecting you batteries and QRP rigs that you too would be checking it out and passing on the good word after you've tried it and seen the advantages. Rich and others are using the NOGApig exactly as intended to protect an old classic QRP rig from harms way.

Sam Billingsley AE4GX North Georgia (NOGA) QRP Club member Atlanta, GA

From: AI2Q Alex
Date: Mon Aug 21 2000 - 12:58:14 EDT

The latest issue of QST (September) came over the weekend, and I see that the "QRP Power" column is still a pathetic waste of a page!

Under the subhead "Anybody Seen a PiG?" the column's conductor asks: "What in God's name is the NoGa PiG?" He then tells the reader what the acronym means, and later discusses a voltage divider, but NEVER includes a schematic or even a portion of the schematic that pertains to his description. Worse, he indicates the reference designations for two resistors in question, which is worthless information--and a waste of column space--if I don't have a schematic with the story.

I'm so-o-o glad I've kept my old QSTs from the 1960s and '70s, when REAL articles about QRP circuits were plentiful, and highly useful, as well as entertaining, instead of this dumbed-down type of drivel that passes for technical editorial! Ugh.

No wonder ham radio appears to be diminshing in its perceived value in many public quarters.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

Date: Mon, 21 Aug 2000 17:09:31 -0400
From: Gregory Lawrence <gwl1@cornell.edu>
To: qrp-l@Lehigh.edu
Subject: [77807] Oscilloscope bandwidth
Message-ID: <4.2.0.58.20000821165124.00aec960@postoffice.mail.cornell.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello All:

Can someone explain oscilloscope bandwidth? I recently heard some chat about a 40 MHz oscilloscope with a 5 MHz bandwidth on the local swap-net. I had always assumed that the rated MHz was the bandwidth. I guess I missed that lecture in library school :-)

gregL w2jwm

Gregory Lawrence	607.255.3242
Government Information Librarian	607.255.0318 (fax)
Albert R. Mann Library	GWL1@cornell.edu
Cornell University	
Ithaca, NY 14853	

In our libraries democracy is being reborn.

Date: Mon, 21 Aug 2000 16:14:40 -0500
From: "George , W5YR" <w5yr@att.net>
To: ka0gkc@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77808] Re: "2 X QRP QS0" Stickers, where?
Message-ID: <39A19BC0.9D07415A@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I haven't seen these, but it should be easy to make anything you want with a laser or inkjet printer and some of the many sizes and types of labels - Avery, for example. Any word processing program or even Windows Notepad or Wordpad would do the trick.

72/73, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE Dallas in Collin county

QRP-L 1373

Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
(12/99)

Cla KA0GKC wrote:

> The G-QRP Club sells them. <http://www.gqrp.co.uk/>
>
> Not sure if these are the same.
>
> GL and 73 de Cla KA0GKC

Date: Mon, 21 Aug 2000 17:16:45 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [77809] [re]why the freq qsy
Message-ID: <200008211716_MC2-B078-7B9A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

Meant to say earlier that I really respect those FOXes who are able to QS=
Y
quickly and smoothly, and not lose the pack. I still find it tough to kn=
OW
just when to do this during an actual hunt, and even tougher to know wher=
e
to set up. Seems to be an acquired skill still lacking here :-).

72/73,
--W.D. (Doc) Lindsey
DSBF
PO Box 6028
Bismarck, ND 58506
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
E-Mail =3D K0EVZ@arrl.net

Date: Mon, 21 Aug 2000 16:20:53 -0500

From: "George , W5YR" <w5yr@att.net>
To: 70511.3041@compuserve.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77810] Re: [re]why the freq qsy
Message-ID: <39A19D35.9E5D4326@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doc, if you haven't acquired it, God help the rest of us . . .

72/73, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
(12/99)

"Wilford D. Lindsey" wrote:

>
> Gang:
>
> Meant to say earlier that I really respect those FOXes who are able to QSY
> quickly and smoothly, and not lose the pack. I still find it tough to know
> just when to do this during an actual hunt, and even tougher to know where
> to set up. Seems to be an acquired skill still lacking here :-).

Date: Mon, 21 Aug 2000 14:24:15 -0700
From: Andreas Junge <andreas@OpenGrid.Com>
To: 70511.3041@compuserve.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77811] RE: [re]why the freq qsy
Message-ID: <E5759E504187D311B0CF00C04F60ADCD2C7994@galaxy.opengrid.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Doc,

that is a very important point. Sometimes you answer a CQ, finish up and the somebody calls you on the other OM's frequency. I usually call them back, tell them to QSY and tune up in frequency with a string of dits. That way the other station can follow you.

Back into my hole ...

Andreas, N6NU
Menlo Park, CA (CM87VK)

> -----Original Message-----
> From: Wilford D. Lindsey [mailto:70511.3041@compuserve.com]
> Sent: Monday, August 21, 2000 2:17 PM
> To: Low Power Amateur Radio Discussion
> Subject: [re]why the freq qsy
>
>
> Gang:
>
> Meant to say earlier that I really respect those FOXes who
> are able to QSY
> quickly and smoothly, and not lose the pack. I still find it
> tough to know
> just when to do this during an actual hunt, and even tougher
> to know where
> to set up. Seems to be an acquired skill still lacking here :-).
>
> 72/73,
> --W.D. (Doc) Lindsey
> DSBF
> PO Box 6028
> Bismarck, ND 58506
> (Shipping = DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
> E-Mail = K0EVZ@arrl.net
>

Date: Mon, 21 Aug 2000 22:08:56 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [77812] Re: "2 X QRP QS0" Stickers, where?
Message-ID: <005f01c00bb4\$f8966ac0\$58337bd5@p200>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For the curious, I've put a scan of the GQRP labels on our website at
www.gqrp.com - click on "sales". They are a gold metallic colour that
my scanner couldn't quite cope with!

Kind regards
Tony - G4WIF
GQRP Web dweeb

----- Original Message ----- >
> Does anyone know where I can purchase some of these?
>
> The G-QRP Club sells them. <http://www.gqrp.co.uk/>
>
> Not sure if these are the same.
>
> GL and 73 de Cla KA0GKC

Date: Mon, 21 Aug 2000 14:48:36 PDT
From: "Doug Hendricks" <ki6ds@hotmail.com>
To: brad.mugleston@gwl.com
Cc: qrp-l@lehigh.edu
Subject: [77813] New NorCal Kit (full blown sm kit)
Message-ID: <LAW2-F10o1mRBaYFkuu000005a1d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Brad, and the group. The designer of the full blown 10 meter surface mount rig for NorCal got tied up working at his real job this summer, and has had to put it on the back burner for the present. He will get back to it, but it has been pushed back on the schedule.

The good news is that Dan Tayloe, N7VE, has a new rig based on his Tayloe mixer that will be taking the 10 meter rig's place. This one will be a hybrid of through hole and surfacemount parts. It will use through hole parts where needed, and will use surface mounted (1206) parts where appropriate. The layout is not finished, but I would say that it will be about 80 to 90% SM, with the rest of the parts being through hole. It will be on 40 meters, and operate from 5 to 18 volts, have a BLT tuner built in, a TiCK keyer, and will have about 20 khz of coverage. The receiver is unbelievable, and does NOT have a single 602/612 in it. More details as they become available. Dan Tayloe will be one of the featured speakers at Pacificon, and will be discussing the radio at that time. 72, Doug

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Mon, 21 Aug 2000 17:55:49 -0400
From: "David Porter" <dporter@voicenet.com>
To: <Dave_Barrett@CreoScitex.com>, "Low Power Amateur Radio Discussion" <qrp-

l@Lehigh.EDU>
Subject: [77814] Re: thermal compound
Message-ID: <200008212155.RAA139880@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Dave wrote:

<snip>
>
> Please resist the temptation to use Vaseline or some other grease as
these
> are simply not intended or formulated to "conduct heat" and stay in situ,
> they will not offer either optimal thermal conduction, protection or
> stability and will run every where in your project when warmed.
>
> Dave Barrett VA7DB (Ex VE7PCC)
> Vancouver BC Canada
<snip>

However, the use of Vaseline will prevent chafing! :-)

David Porter
dporter@voicenet.com
AA3UR

Date: Mon, 21 Aug 2000 14:56:40 PDT
From: "Doug Hendricks" <ki6ds@hotmail.com>
To: qrp-l@lehigh.edu
Cc: wa6ger@aol.com
Subject: [77815] Expanded frequency coverage of the SMK-1???
Message-ID: <LAW2-F66LKop0Euusql000051b9@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Guys, we are planning an operating event at Pacificon using the SMK-1 rigs. As you are probably aware, the transmitter has only about 1.5 kHz of coverage. Has anyone tried tacking another 7.040 crystal on the bottom of the board to see if it will extend the range of the transmitter? Or, has anyone built a VFO for the rig? If so, how about letting us know how it works.

I have read about using two crystals in parallel to extend the range of a VX0 but have never tried it myself. Planting seeds here guys.

Also, the SMK-1 QSO party will be held Friday night, Oct. 20th in the NorCal QRP Club hospitality room at Pacificon in Concord, CA. You must use an SMK-1 as your transceiver, but you may modify it. Your antenna is anything that will fit in the room, but you may not attach it to the walls with tape, nails, glue guns, bubble gum, etc. We will have a qso party for 1 hour starting at 8:00 PM, with the goal being to make as many qsos as possible in the one hour time limit. Then, everyone will exchange business card qsls. We encourage you to design and print your own. The exchange will be name, first year licensed, and rst. There will be a prize for the operator with the most qsl cards confirming contacts.

72, Doug, KI6DS

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Mon, 21 Aug 2000 16:02:30 -0600
From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: Doug Hendricks <ki6ds@hotmail.com>
Cc: qrp-1@lehigh.edu
Subject: [77816] RE: New NorCal Kit (full blown sm kit)
Message-ID: <F9645092A142D3118CBD00805F15292E0BEAA49B@eb-mail1.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain

YAHOO!!! I've got my iron plugged in and ready to go - sounds fantastic - thanks everyone.

de KI00T, brad

> -----Original Message-----
> From: Doug Hendricks [SMTP:ki6ds@hotmail.com]
> Sent: Monday, August 21, 2000 3:49 PM
> To: brad.mugleston@gwl.com
> Cc: qrp-1@lehigh.edu
> Subject: New NorCal Kit (full blown sm kit)
>
> Brad, and the group. The designer of the full blown 10 meter surface
> mount
> rig for NorCal got tied up working at his real job this summer, and has
> had
> to put it on the back burner for the present. He will get back to it, but
>
> it has been pushed back on the schedule.
>
> The good news is that Dan Tayloe, N7VE, has a new rig based on his Tayloe

> mixer that will be taking the 10 meter rig's place. This one will be a
> hybrid of through hole and surfacemount parts. It will use through hole
> parts where needed, and will use surface mounted (1206) parts where
> appropriate. The layout is not finished, but I would say that it will be
> about 80 to 90% SM, with the rest of the parts being through hole. It
> will
> be on 40 meters, and operate from 5 to 18 volts, have a BLT tuner built
> in,
> a TiCK keyer, and will have about 20 khz of coverage. The receiver is
> unbelievable, and does NOT have a single 602/612 in it. More details as
> they become available. Dan Tayloe will be one of the featured speakers at
>
> Pacificon, and will be discussing the radio at that time. 72, Doug
>
> -----
> Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Mon, 21 Aug 2000 18:10:14 -0400
From: Jim Stafford <w4qo@amsat.org>
To: qrp-l list <qrp-l@lehigh.edu>
Subject: [77817] PSK31 is a blast!!
Message-ID: <39A1A8C6.C0072D41@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Remember the PSK31 Sprint on September 10. Full details on the QRP ARCI
site: <http://personal.palouse.net/rfoltz/arci/psk31.htm>

We are developing a digital page for the arci site. If you have specific
links we should incorporate, pls send along. Thanks.

--
Jim Stafford/W4Q0/President QRP ARCI
The Thrill is Back - QRP Is! 77 -993-95
<http://www.qrparci.org> w4qo@arrl.net
<http://www.qrparci.org/pix/arci050.gif>

Date: Mon, 21 Aug 2000 18:28:57 -0400
From: "Anthony A. Luscre" <aluscre@neo.rr.com>
To: caitlyn@netferrets.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77818] Re: "2 X QRP QSO" Stickers, where?

Message-ID: <20000821222915.AAA10727@roadrunner.neo.lrun.com@neo.rr.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

G-QRP club has them available see:

<http://www.btinternet.com/~g4wif/gqrp.htm>

"Caitlyn M. Martin" wrote:

> Hi, everyone,

>

> > I just received a couple of envelopes from the bureau, and a number of the

> > 2xqrp QSLs had a nice little sticker which said "2XQRP QSO" stuck on them.

> > I need something to dress up my ugly QSLs and these would be great. Does

> > anyone know where I can purchase some of these?

>

> If anyone answers Jim, please copy the reflector. I would love to get some

> too, and I bet I'm not the only one.

>

> 72,

> Caity

> KU4QD

>

> --

> Caitlyn M ire Martin

> caitlyn@netferrets.net

> <http://www.caitys-world.com>

--

|-----|

Anthony A. Luscre

K8ZT

Stow, Ohio

|-----|

Date: Mon, 21 Aug 2000 18:51:37 -0400

From: Tom and Roxy <zikot@erie.net>

To: qrp-1@Lehigh.EDU

Subject: [77819] Re: QRP From Presque Isle State Park, PA.

Message-ID: <3.0.5.32.20000821185137.007b2530@erie.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Well, here is a breakdown of how my QRP endeavour went from Presque Isle State Park here in Erie, PA.

I had to help my XYL with a few last minute details which pushed my time up to 11:30 local. At 12:00 I decided to use the picnic table to the left of the cabin to keep the balloons away from the tall trees to the right. The wind started to pick up so I opted not to launch the balloons. If I had tried they would have been blown almost horizontal and gone past the cabin and over the road into a small field. After I did launch the balloons this did happen a few times. The wind kept up for most of the day with a few periods of relative calm. I would approximate the wind speed to 10-12 kts. At this point I got my fishing pole and tackle box out and tried my luck at the pond adjacent to the cabin. That was also a bust. At around 5:15pm the wind started to subside a little and by 5:30pm my XYL and I got 10 12" balloons together and I attached the 65' of #24 AWG wire and away it went, almost verticle. The antenna kept bobbing down at a 45 deg angle from verticle. At one point the breeze managed to carry them into the tree and one of the balloons broke. My XYL, I love her dearly for her assistance, reeled the antenna back in and we proceeded to put two balloons on to give it more lift. My concern was that the wind, along with the lift from the balloons, would snap the wire where it was spliced. From this point on the balloons never got close to the trees. Here is a list of my contacts:

UTC	Call Name/QTH	His	Mine
1945	W3BB0 Bob, Erie, PA.	559	539
1955	K2UD Howard, Buffalo, NY.	559	339
2035	WA8BXN Mike, Kirkland, OH.	599	559

I kept on calling CQ, eventhough the QRM started getting very bad by 7:00pm local. There was too much QRM from the NJ QSO party, Lighthouse QSO's, and digital. However, I managed to hang in there until I went QRT at 8:30pm. I really enjoy QRP in the field and even though I only had 3 QSO's the experience of making a contact with only 250mw is fantastic. I thank everyone that answered my CQ and for those that were listening for me. I fully intend to do this again but next time from my beach side location. I was interesting to note that when my antenna went verticle I got the better signal reports as noted by Bob, W3BB0 in his email to me.

I will post to the QRP-L group my next outing to Presque Isle State Park. I wish I could have QSO'ed everyone that was listening for me, the anticipation of a possible QSO is almost as good a

making one.... next time!! By then I fully expect to have my special QSL cards done.

If anyone is interested in a pix of my setup, the surrounding area, or Presque Isle please let me know for I have many to share. I may try to post a few on my webpage at <http://www.qth.net/wa1vai>.

73's es gud DX!

Tom & Roxanne
WA1VAI/3

Date: Mon, 21 Aug 2000 15:53:36 -0700
From: Radman <radman@best.com>
To: "'Gregory Lawrence'" <gw11@cornell.edu>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [77820] (OT) RE: Oscilloscope bandwidth
Message-ID: <01C00B88.2F6FFCA0@radman.vip.best.com>

Hi Gregory & gang,

RE: Scope bandwidth - Tektronix' web page is an excellent resource for scope-related questions. Check out their "XYZ's of Analog & Digital Oscilloscopes" - at URL:

http://www.tek.com/Measurement/cgi-bin/framed.pl?Document=/Measurement/App_Notes/XYZs/

<page down>

Bandwidth -- The bandwidth specification tells you the frequency range the oscilloscope *accurately* measures. As signal frequency increases, the capability of the oscilloscope to accurately respond decreases. By convention, the bandwidth tells you the frequency at which the displayed signal reduces to 70.7% of the applied sine wave signal. (This 70.7% point is referred to as the "-3 dB point," a term based on a logarithmic scale.)

Tek adds that bandwidth alone isn't sufficient to insure that a scope can capture a high-frequency signal... and then they go into defining Frequency Response and Rise Time. It's excellent reading!

Hope this helps. If you don't find enough info in Tek's "XYZ's" then surf over to Fluke's web page and read their "ABC's of Oscilloscopes."
<seriously !> (I believe it's online - it's certainly available in printed form from Fluke. And once you've read all of Tek and all of Fluke, then you'll know scopes from A to Z ;)!)

Hope this helps...es 73,

Conrad Weiss - NN6CW

Can someone explain oscilloscope bandwidth? I recently heard some chat about a 40 MHz oscilloscope with a 5 MHz bandwidth on the local swap-net. I had always assumed that the rated MHz was the bandwidth. I guess I missed that lecture in library school :-)

gregL w2jwm

Gregory Lawrence	607.255.3242
Government Information Librarian	607.255.0318 (fax)
Albert R. Mann Library	GWL1@cornell.edu
Cornell University	
Ithaca, NY 14853	

End of QRP-L Digest 1920

